

VEYNBLAT, B. M., starshiy nauchnyy sotrudnik; TIKHONOV, N. N.

Bolted joints in the assembly of a reinforced concrete span.  
Transp. stroi. 13 no.3:19-22 Mr '63. (MIRA 16:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut transportnogo  
stroitel'stva Ministerstva transportnogo stroitel'stva (for  
Veynblat). 2. Glavnyy tekhnolog Tresta po stroitel'stvu mostov  
Glavmostostroya Ministerstva transportnogo stroitel'stva SSSR  
(for Tikhonov).

(TSha River—Bridge construction)  
(Precast concrete construction)

MAMBEYEVA, A.A.; TIKHONOV, N.N.

Effect of lead acetate on the contractility of the striated  
muscles in cold-blooded animals. Trudy Inst.kraev.pat. AN  
Kazakh SSR 10:103-107 '62.  
(MUSCLES—MOTILITY) (LEAD ACETATES—PHYSIOLOGICAL EFFECT) (MIRA 16:5)

TIKHONOV, N.N.; MAMHEYEVA, A.A.

Changes in the sorption properties of muscular tissue in cold-blooded animals under the influence of lead acetate. Trudy Inst.kraev.pat. AN Kazakh.SSR. 10:100-102 '62. (MIRA 16:5)  
(LEAD ACETATES—PHYSIOLOGICAL EFFECT)  
(ABSORPTION (PHYSIOLOGY))

S/032/62/028/006/025/025  
B117/B101

AUTHOR: Tikhonov, M. N.

TITLE: Laboratory autoclaves for investigating processes at 100 at pressure

PERIODICAL: Zavodskaya laboratoriya, v. 28, no. 6, 1962, 748-749

TEXT: Two new types of autoclaves which differ from previous designs in the absence of gaskets were designed at the Vsesoyuznyy aluminiiyevo-magniyevyy institut (All-Union Institute of Aluminum and Magnesium). The hermetic seal of this autoclave is achieved by pressing the conically shaped lid against the edge of the cylindrical casing. The second new type of autoclave is based on the working principle of common two-compartment autoclaves, and makes it possible to take samples of the liquid phase during the course of experiments. The stuffing box, of standard design, is packed with asbestos cord, graphite and fluoroplast. The filter was constructed according to the process developed at the Institut obshchey i neorganicheskoy khimii AN SSSR (Institute of General and Inorganic

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Laboratory autocalves for investigating ...

S/032/62/028/006/025/Q25  
B117/B101

Chemistry AS USSR). These parts of the autoclave which are in contact with the aggressive medium during the experiments were made from acid-resisting steels 1X18H9T (1Kh18N9T) or 1X18H12M3T (1Kh18N12MZT); all other parts from ordinary carbon steel. The autoclaves described are in use for pressures up to 100 at. They can be adapted for higher pressures, merely by making the walls thicker. There are 2 figures.

ASSOCIATION: Vsesoyuznyy alyuminiyevo-magniyevyy institut (All-Union Institute of Aluminum and Magnesium)

Card 2/2

TIKHONOV, N.N.

Laboratory autoclaves for studying processes at the pressure of  
100 atm. Zav.lab. 28 no.6:748-749 '62. (MIRA 15:5)

1. Vsesoyuznyy alyuminiyev-magniyevyy institut.  
(Autoclaves)

SMIRNOV, M.N.; TIKHONOV, H.N.

Effect of agitation on the kinetics of aluminum oxide recovery  
during the autoclave leaching of diasporous bauxites. TSvet. met.  
35 no.6:46-51 Je '62. (Bauxite) (Leaching) (MIRA 15:6)

S/137/62/000/010/020/028  
A052/A101

AUTHORS: Abramov, V. V., Astrov, Ye. I., Tikhonov, N. N.

TITLE: Hardening stresses in multilayer steels

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 10, 1952, 130, abstract  
101891 ("Tr. Gor'kovsk. politekhn. in-ta", v. 17, no. 3, 1961,  
24 - 31)

TEXT: The conditions and causes of crack formation at the water and oil hardening of multilayer steels were investigated. The investigation was carried out on 3-layer and 5-layer steel, 10 mm thick, produced by a hot rolling of packs made up of St10 and 45 steel plates with a different arrangement of layers. It has been found that samples of a 3-layer steel with an inside layer of St45, half as thick as the whole sample, crack across the inside layer when water-hardened. As the thickness of the inside layer increases to 0.7 or decreases to 0.3 of the total thickness, the tendency to the crack formation diminishes sharply, and at the thickness of the inside layer of > 0.8 or < 0.2 of the total thickness no cracks are observed. In 3-layer samples with an outside layer of St10 cracks do

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Hardening stresses in multilayer steels

S/137/62/000/010/020/028  
A052/A101

not form, independent of the layer arrangement and the hardening medium. In 5-layer samples with an outside and central layer of St45 cracks across the central layer appear only in the case when the thickness of the central layer is 3 - 4 times that of the outside layers. An analysis of the residual stress distribution has shown that, independently of the layer arrangement, tensile stresses are induced in St10 and compressive stresses in St45. At an equal number and arrangement of layers the water hardening contributes more to the crack formation than the oil hardening. This is explained by the difference of mechanical properties of layers. Curves of the temperature and stress distribution at the hardening of multilayer samples are presented.

M. Shapiro

[Abstracter's note: Complete translation]

Card 2/2

TYURKYAN, R.A., gornyy inzh., laureat Leninskoy premii; GROLOV, P.I.,  
gornyy inzh., laureat Leninskoy premii; PSHEMICHNYY, A.A.,  
gornyy inzh., Geroy Sotsialisticheskogo Truda; TIKHONOV, N.N.,  
Geroy Sotsialisticheskogo Truda.

About Kh.I.Abramson's remarks on the "Guide to subsequent  
grouting during shaft sinking." Ugol' Ukr. 4 no.2:45  
F '60. (MIRA 13:6)  
(Shaft sinking) (Grouting) (Abramson, Kh.I.)

TIKHONOV, N.N.

Valuable book on fruit culture ("Establishing winter hardy orchards" by N.G.Zhuchkov. Reviewed by N.N.Tikhonov). Agrobiologija no.3:347 My-Je '59. (MIRA 12:9)

1. "ledovo-yagodnaya optytnaya, stantsiya, g.Krasnoyarsk.  
(Zhuchkov, N.G.) (Fruit culture)

TIKHONOV, N. N.

Fruit Culture

Varieties of low-spreading apple trees., Sad i og., no. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1952, Uncl.

1. TIKHONOV, N. N.
2. USSR (600)
4. Variation (Biology)
7. Appearance of pear-shaped fruit on apple trees. Agrobiologija no. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

1. TIKHONOV, N. N.
2. USSR (600)
4. Apple
7. Appearance of pear-shaped fruit on apple trees.  
*Agrobiologija. No. 5. 1952.*

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

36670  
S/125/62/000/005/008/010  
D040/DL13

1.2300  
AUTHORS: Gurevich, S.M. and Didkovskiy, V.P. (see Association); Tikhov, N.N.  
(Moscow)

TITLE: Electroslag welding of titanium alloy VT5-1

PERIODICAL: Avtomaticeskaya svarka, no. 5, 1962, 78-84

TEXT: The described experiments were conducted in connection with the introduction of electroslag welding in the industrial lot production of large parts of BT5-1 (VT5-1) alloy which is weldable and was hitherto used extensively for thin-sheet weldments. The alloy contains 4 - 5.5% Al and 2 - 3% Sn and has higher mechanical strength than other Ti alloys at continuous loads up to 500°C and during short-term heating at 900°C. The experiments were conducted with forged and pressed rectangular billets with cross-sections varying from 40 by 42 to 60 by 70 mm and welding rings 60 by 70 mm in cross-section. Sound joints were obtained with forged billets using the following data of welding: 1600 - 1800 amp, 14 - 16 v, 26 mm wide gap, 130 g of AH-T2 (AN-T2) flux and argon 4

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Electroslag welding of titanium alloy....

S/125/62/000/005/008/010  
D040/D113

shielding at a rate of 8.0 l/min. The mechanical properties of pressed billets welded with the use of pressed unalloyed BT 1-1 (VT1-1) titanium were inconstant, but it is supposed that electrodes of the same chemical composition as that of the base metal will give joints of satisfactory strength and plasticity. All welding was conducted with plate electrodes. Rings were welded from two halves in an automatic process on a welding unit with rotary table. Welding one joint in rings took 4-5 min. No defects were found in welds on X-ray inspection and after machining. Conclusions: (1) Large parts of VT5-1 can be welded by electroslag process using an AN-T2 flux; (2) welded joints produced with VT5-1 plate electrodes in forgings are as strong as the base metal and have sufficient plasticity and toughness; (3) the plasticity and toughness of welds of pressed VT5-1 elements must be increased; (4) electroslag welding of various sizes of rings made of VT5-1 alloy has been introduced into serial production. There are 7 figures and 4 tables.

ASSOCIATION: Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye.O. Patona AN USSR (Electric Welding Institute "Order of the Red Banner of Labor" im. Ye.O. Paton, AS UkrSSR) (S.M. Gurevich and V.P. Didkovskiy)

Card 2/2

ASTROV, Ye.I., kand. tekhn. nauk; CHICHKANOV, A.I., inzh.; TIKHOMOV, N.N.,  
BIRYUKOVA, V.N., inzh.

Rolling of stainless Kh17N2 steel for the production of universal  
strips. Obr. met. davl. no.5:62-72 '59. (MIRA 13:3)

1.Gor'kovskiy metallurgicheskiy zavod.  
(Rolling (Metalwork)) (Steel, Stainless)

TIKHONOV, N.N.

Clinical aspect of lead encephalopathy. Trudy Inst.kraev.pat.  
AN Kazakh. SSR 9:173-177'61 (MIRA 16:7)  
(BRAIN—DISEASES) (LEAD POISONING)

TIKHOPOV, N.N.

Mediator content in the blood in lead poisoning. Izv. Ak Kazakh.  
SSR Ser. med. nauk 11 no.3:65-69 '64 (MIRA 18:1)

USSR / General and Specialized Zoology. Insects. P  
Harmful Insects and Acarids. General.

Abs Jour: Ref Zhur-Biol., No 13, 1958, 59156.

Author : Tikhonov, N. P.

Inst : Not given.

Title : The Protection of Plants in the Korean  
Peoples Democratic Republic.

Orig Pub: Zashchita rast. ot vredit. i boloznoy, 1957,  
No 4, 47-48.

Abstract: In the KPDR, more than 700 species of harmful  
insects and 340 plant diseases have been count-  
ed. The principal pests and diseases of vari-  
ous culture groups, the principal control ob-  
jectives, and certain protective measures are  
shown. The most recent methods and toxic chom-  
ical agents are applied. In the quarantine

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USSR / General and Specialized Zoology. Insects.  
Harmful Insects and Acarids. General. P

Abs Jour: Rof Zhur-Biol., No 13, 1958, 59156.

**Abstract:** inspection for the protection of plants, investigatory and operational activities are conducted by the Ministry of Agriculture and the respective departments of the national committees in provinces and counties. The participants, in the scientific work for the protection of plants, are the Pyongyang Scientific Institute of Agriculture, branches of experimental stations, the biological faculty of Pyongyang University, the chair for the protection of plants of Wonsan Agriculture Institute, which, incidentally, graduates 30-40 agronomists yearly. -- A. P. Adrianov.

Card 2/2

TIKHONOV, N.P.

Cold resistance of caterpillars of the peach codling moth.  
Zashch. rast. ot vred. i bol. 7 no.1:53 '62. (MIRA 15:6)  
(Peach—Diseases and pests)  
(Codling moth)

YERAKHTIN, Dmitriy Dmitriyevich, dots., kand. tekhn. nauk; GOKHMAN, Shlema Moiseyevich, kand. tekhn. nauk; DVINYANINOV, Vistor Nikolayevich, st. prepodavatel'; ZAYTSEV, Pavel Alekseyevich, inzh.; LOPATIN, Anton Venediktovich, dots.; ORLOV, Nikolay Mikhaylovich, inzh.; STRATANOVICH, Nikolay Nikolayevich, inzh.; STRIGANOV, Nikolay Ignat'yevich, inzh.; TIKHONOV, Nikolay Prokop'yevich, dots., kand. tekhn. nauk; RAYKHLIN, Zaliman Tanfilovich, st. prepodavatel'; BELOV, Aleksandr Yemel'novich, dots.; RESHETNIKOV, N.S., dotsent, retsenzent; BABUSHKIN, I.N., red.; PITERMAN, Ye.L., red.izd-va; PARAKHINA, N.L., tekhn. red.

[Repair of lumbering and forestry machinery] Remont lesozagotovitel'nykh i lesokhoziaistvennykh mashin. By D.D.Erakhtin i dr. Moskva, Goslesizmizdat, 1961. 436 p. (MIRA 15:2)

1. Kafedra remonta Moskovskogo lesotekhnicheskogo instituta (for Reshetnikov).

(Forests and forestry—Equipment and supplies)  
(Lumbering—Machinery)

USSR/Cultivated Plants. Fruit Trees. Small Fruit Plants.

M

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77818.

Author : Tikhonov, N.P.

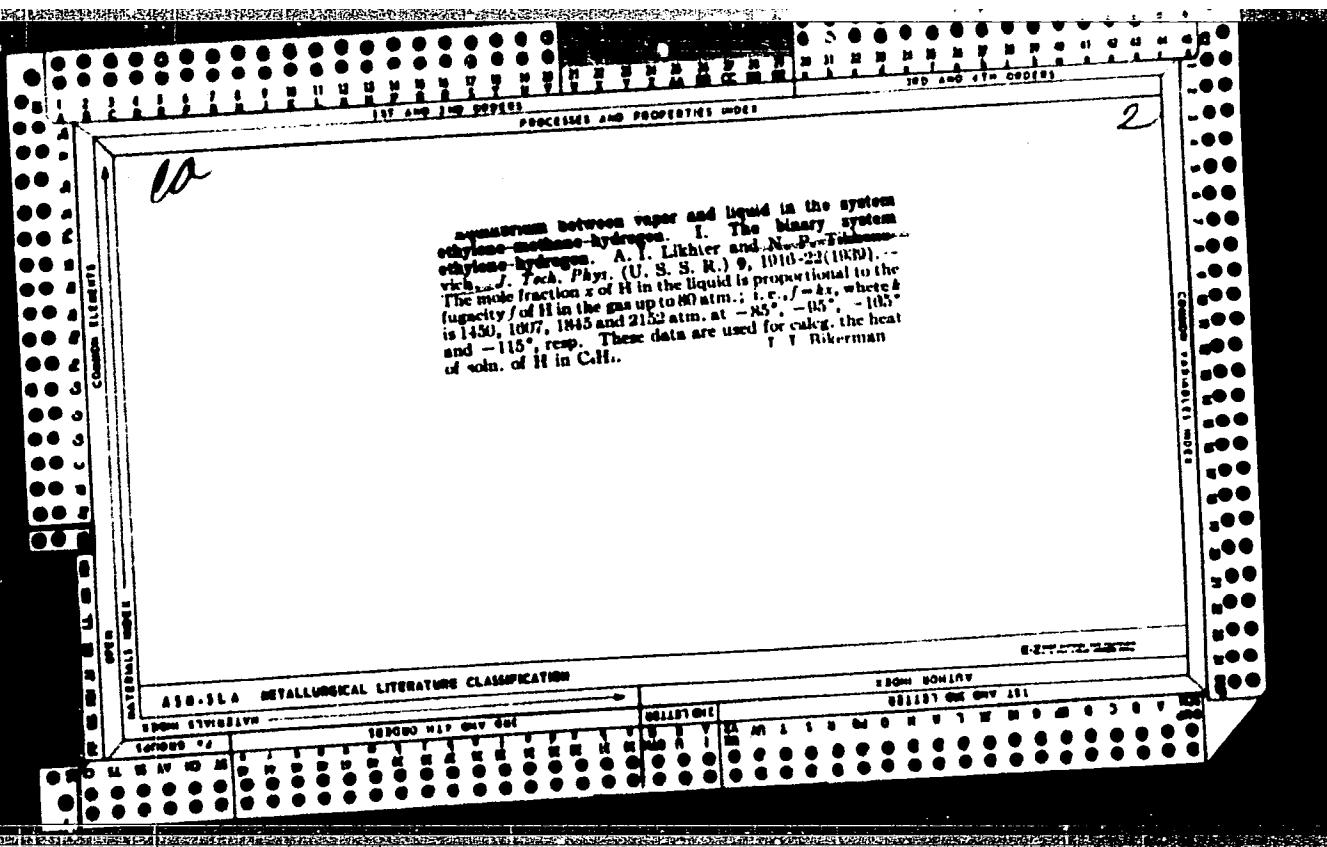
Inst :

Title : Horticulture in the Korean People's Democratic Republic.

Orig Pub: Sad i ogorod, 1958, No 2, 68-69.

Abstract: No abstract.

Card : 1/1



GUSEVA, A.M.; SHEFFER, V.V.; SHIN, P.V.; ZHURIN, A.B.; TIKHONOV, N.P.;  
KLYUSHKIN, P.A.; PULEON, R.K.

Local information. Zashch. rast. ot vred. i bol. 8  
no.10:59-60 O '63. (MIRA 17:6)

TIKHONOV, Nikolay Petrovich; KLYUCHNIKOV, Petr Ivanovich; KUDRYAVTSEV, A. V.,  
red.; SOKOLOV, ..., red.

[Concise manual on pests, diseases, and weeds of plants in  
quarantine; an aid for the public authorized quarantine  
agent and agronomist] Kratkij spravočnik po voprosam po  
vrediteliam, bol'zadaj i sorogim rastenijam: v tom vekh ob-  
uchestvovju na kvalifikacii upravlyayushchego i agrofona.  
Smolensk, Smolenskoe knitselnoe izdat., 1960.,

(L. 17:1)

TIKHONOV, Nikolay Petrovich, kand. sel'khoz. nauk; REUTSKAYA, O.Ye.,  
red.; FRIDMAN, Z.L., tekhn. red.

[Orchard fruit moths and their control] Sadovye plodozhorki i  
bor'ba s nimi. Leningrad, Sel'khozizdat, 1963. 71 p.  
(MIRA 16:6)  
(Fruit—Diseases and pests) (Moths--Extermination)

KIRYUKHINA, R.I.; NIKIFOROV, A.M.; TIKHONOV, N.P., entomolog

Congresses and conferences. Zashch. rast. ot vred. i bol.  
7 no.2:55-56 F '62. (MIRA 15:12)

1. Starshiy fitopatolog TSentral'noy karantinnoy laboratorii  
Ministerstva sel'skogo khozyaystva SSSR (for Kiryukhina).  
(Plants, Protection of—Congresses)

TIKHONOV, N.P.

Biocenological foundations of measures for controlling the peach fruitworm *Carposina sasakii* Mats. and tests of activated creolin and insecticidal and fungicidal repellent dust. Biul. Glav. bot. sada no.46:90-99 '62. (MIRA 16:5)

1. Glavnny botanicheskiy sad AN SSSR.  
(Far East--Leaf rollers) (Insecticides)

TIKHONOV, N.P., entomolog

Orchard moths in the Far East. Zashch. rast. ot vred. i bol.  
7 no. 10:45-46 O '62. (MIRA 16:6)

(Soviet Far East—Moths—Extermination)  
(Soviet Far East—Fruit—Diseases and pests)

TIKHONOV, N.P.

Materials on the ecology of the peach moth *Carposina sasakii* Mats  
in the Far East. Vop. ekol. 7:180-182 '62. (MIRA 16:5)

l. Vsesoyuznyy institut zashchity rasteniy, Leningrad.  
(Soviet Far East—Leaf rollers)

TIKHONOV, N.P., entomolog

Activated creolin is a good means of controlling the gypsy moth.  
Zashch. rast. ot vred. i bol. 4 no.2:31 Mr-Ap '59.

(MIRA 16:5)

(Gypsy moth—Extermination)

(Creolin)

Chibisov, K. V.

CHIBISOV, K.V., professor, doktor khimicheskikh nauk; TIKHONOV, N.S.,  
dotsent, kandidat tekhnicheskikh nauk.

"Construction of chemical equations." A.A.Kudriavtsev. Reviewed  
by K.V.Chibisov, N.S.Tikhonov. Khim.prom. no.4:254-255 Je '54.  
(MLRA 7:8)

1. Chlen-korrespondent Akademii nauk SSSR (for Chibisov).

(Chemistry--Notation) (Kudriavtsev, A.A.)

TIKHONOV, Nikolay Semenovich

TIKHONOV, Nikolay Semenovich.....Leningrad. (Alger, Office français d'édition, 1944). 169 p. (Cahier de l'Office français d'édition, no. 6.)

DLC: D764.T52522

SO: LC, Soviet Geography, Part II, 1951/Unclassified

TIKHONOV, Nikolay Semionovich, 1896-

[Stories about Pakistan]. Raesskazy o Pakistane. Risunki V. Bogashkina.  
Moskva, Detgiz, 1953. 47 p.  
(MLRA 8:2)  
(Pakistan--Description and travel)

GAVRILOV, V.G.[translator]; KLIMOVA, M.Ye.[translator]; MITHREYT,  
B.A.[translator]; TIKHONOV, N.S.[translator]; TUPITSYU,  
N.Y.[translator]; SHANTANOV, S.K.[translator]; FEOROVA,  
L.N., red. izd-va; GURCOVA, O.A., tekhn. red.

[Fundamentals of the tectonics of China] Osnovy tektoniki  
Kitaia. Moskva, Gosgeoltchizdat, 1962. 526 p. maps.  
Translated from the Chinese. (MIRA 15:11)  
(China--Geology, Structural)

SMEYANOV, A.N.; TOPCHIYEV, A.V.; KURCHATOV, I.V.; SKOBEL'TSYN, D. .;  
KAPITSA, P.B.; IOFFE, A.F.; VINOGRADOV, A.P.; KREUBURG, I.G.; TIKHONOV,  
N.S.; FADEYEV, A.A.; FRANK, I.M.; VEKSLER, V.I.; KORMEYCHUK, A.Ye.;  
POPOVA, N.V.; LEKHDEVA, Z.A.; VASILEVSKAYA, V.L.; PETROVSKIY, I.G.;  
ALEKSANDROV, A.D.; ARTSIMOVICH, L.A.; MESHCHERYAKOV, M.G.

Irene Jeliet-Curie; obituary. Vest. AN SSSR 26 no.4:73-72 Ap '56.  
(Joliet-Curie, Irene, 1897-1956) (MIRA 9:7)

L 02390-67 EWT(l)/EWT(m) FDN/JD

ACC NR: AR6025364

SOURCE CODE: UR/0285/66/000/004/0013/0013  
*39*

AUTHOR: Tikhonov, N. T.

TITLE: Effect of various structural parameters on the operation of air micro-turbines of the centripetal type

SOURCE: Ref. zh. Turbostroyeniye, Abs. 4.49.87

REF SOURCE: Tr. Kuybyshevsk. aviat. in-t, vyp. 22, 1965, 56-62

TOPIC TAGS: centripetal flow turbine, gas turbine engine

ABSTRACT: The author considers the results of an experimental investigation of the effect which spacing of the vanes in the working wheel, the axial clearance between the ends of the vanes in the working wheel and the stationary housing, and the relative location of the working wheel and the guide vane assembly have on the operation of a radial airflow microturbine of the centripetal type. The highest efficiency of the turbine corresponds to a minimum spacing between the vanes in the wheel (i.e. maximum  $Z_{w.c.}$ ). However, changes in vane spacing within wide limits result in a small variation in turbine efficiency: an increase in spacing from  $Z_{w.c.} = 28$  to  $Z_{w.c.} = 16$  reduces efficiency at  $\pi_T = 2.242$  by 2-5%, and at  $\pi_T = 4.83$  by 2-8%. Variations

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UDC: 621.438.001.5

L 02390-67

ACC NR: AR6025364

from 0.25 to 1.35 mm in the axial clearance between the ends of the vanes in the working wheel and the stationary housing have no effect on the operation of the microturbine. The clearance is blocked off by the stream of air which is squeezed out by the effect of gas pressure and centrifugal forces. The microturbine shows practically no reaction to changes in the relative position of the working wheel and the guidevane assembly. The efficiency of the turbine is reduced only when the exhaust jet from the gas nozzle strikes the rim. [Translation of abstract]

SUB CODE: 13

*ms*  
Card 2/2

L 16499-65

ACCESSION NR: AR4049369

S/0285/64/000/009/0019/0019

SOURCE: Ref. zh. Turbostroyeniye. Otdel'nyy vy\*push, Abs. 9 49-99

AUTHOR: Tikhonov, N. T.

TITLE: Effect of some design parameters on the operation of a radial, centripetal, compressed air microturbine and the procedure for its calculation

CITED SOURCE: Tr. Kuyby\*shevsk. aviats. in-t, vy\*p. 15, ch. 2, 1963, 379-393

TOPIC TAGS: microturbine, compressed air microturbine, radial centripetal microturbine, microturbine efficiency, microturbine design

TRANSLATION: The article presents the results of an experimental determination of the efficiency of a compressed air microturbine (rotor diameter 50 mm) in relation to the expansion ratio, the partial pressure level, the  $U_1/C_{ag}$  and the height of the rotor blades. A procedure is suggested for the calculation of such turbines, with consideration given to the results obtained in the tests. A. Dobry\*nin

Card 1/2

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755620006-9

L 16499-65

ACCESSION NR: AR4049369

SUB CODE: PR

ENCL: 00

Card 2/2

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755620006-9"

S/0147/63/000/004/0139/0149

ACCESSION NR: AP4009654

AUTHOR: Tikhonov, N. T.

TITLE: Experimental study of the effects of partial admission and blade height on the performance of a centripetal air microturbine

SOURCE: IVUZ. Aviatsionnaya tekhnika, no. 4, 1963, 139-149

TOPIC TAGS: low power turbine, centripetal turbine, air turbine, single stage turbine, turbine design, turbine blade design, turbine efficiency, microturbine

ABSTRACT: The article presents experimental data obtained in testing a low-power, single stage, centripetal, impulse air turbine. The characteristics of operation and the effect of partial admission and blade height on turbine efficiency are discussed in detail. Calculation procedures are offered for two problems: 1. find the dimensions of the flow section and the admission factor ( $\epsilon$ ) which provide maximal values of internal efficiency ( $\eta_i$ ) at fixed rpm (n), air flow rate G (kg/min) and turbine wheel diameter  $D_1$ ; 2. with n and G given, find all other parameters which provide maximal  $\eta_i$ . It was found that turbulence affecting the operation of a turbine develops at the wheel exit in radial, centripetal,

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ACCESSION NR: AP4009654

low-power turbines in which  $\frac{u_1}{C_{ad}}$  is less than optimal ( $u_1$  = circumferential velocity).

The presence of such turbulence leads to  $C_{opt} < 1$  for nozzle height  $h_{ns} > 1$  mm, the former decreasing as the latter increases. Efficiency increases with rising  $h_{ns}$  for turbines with  $C < 0.267$ , but the optimal value of  $h_{ns}$  is between 1 and 2 mm for  $C > 0.267$ . The results obtained here make it possible to employ the theory of similitude as a basis for determining the optimal parameters ( $D_1$ , flow section dimensions, admission factor) for a new design of a low-power turbine incorporating fixed conditions. Deviations not exceeding 4% in power and 3% in efficiency were obtained for turbines calculated as above, then manufactured and field tested. Orig. art. has: 8 formulas, 4 graphs and 4 figures.

ASSOCIATION: None

SUBMITTED: 04Jul63

ENCL: 00

SUB CODE: PR

NO REF SOV: 001

OTHER: 000

2/2  
Card

L 14659-66 EWT(1)/EWT(m)/EWP(w)/EWP(f)/EWP(v)/I-2/EWP(k)/ETC(m)-6 JD/MM/EM  
ACC NR: AT6003111 SOURCE CODE: UR/3181/63/000/015/0379/0393

AUTHOR: Tikhonov, N. T.

ORG: Kuybyshev Aviation Institute (Kuybyshevskiy aviationsionnyy institut); Joint Scientific-Technical Conference on Problems of the Mechanics of Liquid and Gas (Kustovaya nauchno-tehnicheskaya konferentsiya po voprosam mekhaniki zhidkosti i gaza)

TITLE: The effect of certain construction parameters on the working of a radial centripetal air microturbine and a method for its computation

SOURCE: Kuybyshev. Aviationsionnyy institut. Trudy, no. 15, pt. 2, 1963. Doklady kustovoy nauchno-tehnicheskoy konferentsii po voprosam mekhaniki zhidkosti i gaza (Reports of the Joint scientific-technical conference on problems of the mechanics of liquid and gas), 379-393

TOPIC TAGS: turbine rotor, turbine vane, turbine, turbine jet, microturbine

ABSTRACT: The functioning and construction of microturbines are investigated. Of particular interest are radial centripetal microturbines of less than 10 hp. The author shows that modern air microturbines operate in the domain  $U_1/C_{ag} \leq 0.3$ . The first part of the study deals with the relationship between the height of the leading and trailing edge of blades. The optimal ratio of these heights is determined experimentally by varying the blade position. It was found that a height difference

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ACC NR: AT6003111

of 0.2 mm is optimal, and hence the optimal height ratio is 2.17. Further experiments were performed to determine the effect of the degree of partiality and the vane height upon the turbine's performance. The variation of the degree of partiality with values of  $U_1/C_{ag}$  was found and plotted. It is shown that maximal internal turbine pressure occurs for a degree of partiality of 0.534. Parametric curves for various vane sizes are shown on the same plot. Some discussion of air circulation and vortices within the turbine is given. The method of analytical computation of a microturbine is analogous to the computation for large turbines. It is, however, necessary to know the speed coefficients in the case of microturbines. The effects of variations in the construction of turbine moving parts are evaluated with respect to inlet vs. outlet pressures, power, and other criteria of turbine performance. Orig. art. has: 11 figures and 14 equations.

SUB CODE: 21, 13/ SUBM DATE: none/ ORIG REF: 001

Card 212-B1

TIKHONOV, N. V.

"Certain Problems of the Theory and Design of Stope Plows for Coal Loading in Long-wall." Thesis for degree of Cand. Technical Sci. Sub 2 Jun 49, Moscow Mining Inst imeni I. V. Stalin

[redacted] Summary 82, 18 Dec 52, Dissertations Presented For Degrees in Science and Engineering in Moscow in 1949. From Vechernaya Moskva, Jan-Dec 1949.

TIKHONOV, N.V., kandidat tekhnicheskikh nauk; VAYNBERG, P.V., redaktor;  
CHUPROVA, V.M., redaktor; VAYNSHTEYN, Ye.V., tekhnicheskiy redaktor.

[Scraper haulage in non ferrous mines] Skrepernaia dostavka na  
rudnikakh tsvetnoi metallurgii. Moskva, Gos. nauchno-tekh. izd-vo  
lit-ry po chernoi i tsvetnoi metallurgii, 1954. 158 p. (MLRA 8:1)  
(Scrapers) (Mine haulage)

TIKHONOV, N.V.

BOGUSLAVSKIY, Aleksandr Ruvimovich; ANDREEV, Lev Sergeyevich; SHAPOSHNIKOV, Sergey Stakheyevich; SOSEDOV, O.O., gornyy inzhener, retsenzent; TIKHONOV, N.V., kandidat tekhnicheskikh nauk, retsenzent; KALMYKOV, S.G., redaktor; YEZDOKOVA, M.L., redaktor; ATTOPOVICH, M.K., tekhnicheskiy redaktor.

[Operator of a scraper winch; textbook for instructing workers in production technology] Mashinist skrepernoi lebedki; i uchebnoe posobie dlia proizvodstvenno-tekhnicheskogo obuchenia rabochikh. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1955. 196 (MLRA 8:11)  
(Winches)

TIKHONOV, Nikolay Vasil'yevich, kandidat tekhnicheskikh nauk; YEVHEVICH,  
A.V., redaktor; SHUSTOVA, V.M., redaktor; ATTOPOVICH, M., tekhnicheskii redaktor

[Loading machines for metal mines] Pogruzochnye mashiny na  
metallicheskikh rudnikakh. Moskva, Gos.nauchno-tekhn.izd-vo,  
lit-ry po chernoi i tsvetnoi metallurgii, 1955. 247 p.(MLRA 8:10)  
(Mine haulage)

TIKHONOV, N.V.

Oscillographic study of the work of loading machines in actual  
working conditions. Trudy MGRI 30:28-34 '56. (MLRA 9:11)  
(Mining machinery) (Electric measurements)

25(2)

PHASE I BOOK EXPLOITATION

SOV/1625

Tikhonov, Nikolay Vasil'yevich, and Vasiliy Mikhaylovich  
Mayorov

Novyye konstruktsii konveyyerov dlya gornoy i metallurgisheskoy  
promyshlennosti (New Design for Conveyors Used in the Mining  
and Metallurgical Industry) Moscow, Metallurgizdat, 1957.  
76 p. 3,500 copies printed.

Ed. of Publishing House: A. Ye. Smoldyrev; Tech. Ed.: M.K.  
Attopovich.

PURPOSE: The book is intended for design and production  
engineers and for technicians in mines, metallurgical plants,  
and in the building trades who deal with the transportation  
of large quantities of materials.

COVERAGE: The booklet describes basic types of Soviet and non-  
Soviet conveyors, together with their technical specifications

Card 1/3

New Design for Conveyors (Cont.)

SOV/1625

and performance data. A comparison is made between the various types used in underground operations and in open pit mines. The second part of the booklet deals with the design and performance of vibrating conveyors used to handle abrasive, hot, or vapor-producing materials in metallurgical plants and in the building industry. The text contains a number of illustrations and tables. There are 15 references of which 8 are Soviet, 4 German, and 3 English.

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1. General layout and component parts of conveyors	36
2. Design of vibrating conveyors	36 43

Card 2/3

New Design for Conveyors (Cont.)

SOV/1625

3. Testing vibrating conveyors

70

Bibliography

78

AVAILABLE: Library of Congress (TN335.T48)

GO/rj  
5-29-59

Card 3/3

MIROSHNIKOV, Svyatoslav Stepanovich; GULEMIN, Nikoley Mikhaylovich; TIKHOMOV,  
N.V., kandidat tekhnicheskikh nauk, retsenzent; VORONIN, L.N.,  
gornyy inzhener, retsenzent; VAYNBERG, P.B., gornyy inzhener, retsen-  
zent; SMOLDYAEV, A.Ye., redaktor; ATTOPOVICH, M.K., tekhnicheskiy  
redaktor

[Operator of the PML loading machine; textbook for industrial and  
technical instruction of workers] Mashinist pogruzochnoi mashiny  
PML; uchebnoe posobie dlia proizvodstvenno-tekhnicheskogo obuchenija  
rabochikh. Moskva, Gos.sauchno-tekhn.izd-vo lit-ry po chernoi i  
tavetnoi metallurgii, 1957. 190 p.  
(Mining machinery)

IOPIN, S.L.; NARINSKIY, I.E.; TIKHONOV, N.V.; TROPMAN, A.G.

All-Union Scientific Research Institute for Nonferrous Metals.  
Gor. zhur. no.8:46-50 Ag '57. (MLBA 10:9)  
(Nonferrous metals) (Mining engineering)

KULICHIKHIN, N.I.; TIKHONOV, N.Y.

Using diesel vehicles in geological prospecting. Izv. vys. ucheb. zav.; geol. i razv. no.1:95-106 Ja '58. (MIRA 11:6)

1. Moskovskiy geologo-razvedochnyy institut im. S.Ordzhonikidze,  
kafedra gornogo dela.  
(Diesel engine)

Tikhonov, N.V.

127-58-6-24/25

AUTHOR: Tikhonov, N.V., Candidate of Technical Sciences

TITLE: A.V. Yevnevich "Transportation Machines for Mines" (A.V. Yevnevich "Gornyye transportnyye mashiny")

PERIODICAL: Gornyy Zhurnal, 1958, Nr 6, pp 77-78 (USSR)

ABSTRACT: This is a review of the above-mentioned textbook.

AVAILABLE: Library of Congress

Card 1/1      1. Machines-Transportation-Mines

TIMHONOV, N.V.

Industrial conveyer testing for blast-loading and haulage of ore  
in stopes. Nauch. trudy MGU no. 20:84-88 '58. (MIRA 11:8)  
(Conveying machinery--Testing)  
(Mine haulage)

14(2)

SC/132-3 45-3 17

AUTHORS: Kulichikhin, N.I. and Tikhonov, N.V.  
TITLE: On the Mechanization of Trench Digging Operations  
PERIODICAL: Razvedka i okhrana nadr, 1959, Nr 5, pp 20-25 (37)  
ABSTRACT: The authors recommend the use of scrapers equipment of various types for digging prospecting trenches in difficult ground conditions, especially on mountain slopes. In that case, the two-drum winch of the scraper is installed on the foot of the mountain below the trench and the scraper pulley is fixed on a hook on the slope. The scraper, moving down on a rope, pulls down pieces of rock and forms a terrace between the lower part of the trench and the winch. To dig a trapezoidal trench, two scrapers must be used, the second - with a more narrow edge. Electric or Diesel engines can be used for the operations. In the first case, a movable electric station must be installed; in the second case, the winch can be mounted on the chassis of a truck or tractor using their motors for the working of the winch. Different models of scrapers must be used for different kind of rocks. In

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SOV/132-59-5-5/17

On the Mechanization of Trench Digging Operations

function of these conditions one-piece SL-15, SLR-30 or articulated SLSH-45 or dismountable SLR-30 scrapers are used with winches of 7, 14, 28, 55 and 75 kilowatts. Such two and three drum winches are presently constructed in mining machinery plants. The capacity of scrapers varies from 0.15 to 0.45 cu m. Their weight cannot be less than 3.5-5 kg for 1 cm of the working edge of the scraper. There are 2 tables and 4 sets of diagrams.

ASSOCIATION: MGRI

Card 2/2

KULICHIKHIN, N.I., prof.; BAGDASAROV, Sh.B., dots.; VERCHEBA, A.O.,  
dots.; TIKHONOV, N.V., dots.; RAZHEV, M.M., gor. inzh., nauchn. red.

[Boring and blasting operations, loading, timbering, mine  
haulage, ventilation, and mine drainage; second part of  
the course "Carrying out exploratory operations"] Burovzryv-  
nye raboty, pogruzka, kreplenie, rudnichnyi transport, ven-  
tilatsiia i vodoostliv; chast vtoraiia kursa "Provedenie raz-  
vedochnykh vyrabotok." [By] N.I.Kulichikhin i dr. Moskva,  
Nedra, 1964. 455 p. (MIRA 17:9)

*Tikhonov, N.V.*

- MALINOVSKIY, G.I., Institute of Geology and Refining of Mineral Fuels, Academy of Sciences USSR - Theory and laboratory modeling of fractured reservoir rocks with synthetic porosity" (Section IV)
- MAROV, Ivan V., Moscow Scientific Research Institute for Labor Safety in Mining Industries - "Study of gas outburst phenomena" (Section II)
- MEDO, Iosif O., Moscow State University Is. M. Y. Lomonosov, Head, Chair, "Geology and geochemistry of combustible minerals", "Methods of comparative estimation of oil and gas occurrence possibilities" (Section IV)
- MENZOV, Semyon A., Institute of Petroleum, Academy of Sciences USSR - "Soviet results in the field of shaft sinking" (Section III)
- MENZOV, A. P., Azerbaijan Polytechnic Institute - "Theoretical bases of sand flow into the wells and their application for oil production" (Section IV)
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- MERKHOV, I. M., Leningrad Mining Institute - "Utilization of rock pressure and characteristics of coal seams to facilitate mining" (Section I)
- MENOV, G. M., Moscow Institute of Non-ferrous Metals and Gold, Is. M. I. Kalinin - "Technical results obtained in the Soviet Union in the exploitation of bauxite deposits" (Section II)
- MENOV, G. M., Moscow Geological Prospecting Institute, G. Ordzhonikidze - "Utilization of the driving of mine roadway and prospecting drifts in the Soviet Union" (Section I)
- MENOVSKY, Aron P. - "Determination of the variation of stresses originating in wall rocks masses" (Section I)

(1)

REPORTS TO BE SUBMITTED FOR THE MINING CONGRESS, METAL AND METALLURGICAL INDUSTRY,  
Budapest, Hungary, 12-16 Sep 1965

TIKHONOV, N. V.

"Fuel Mechanization of the Driving of Mine Roadways and Prospecting  
Drifts in the Soviet Union."

report presented at the Hungarian Mining Congress, Budapest, 12-18 Sep 1960

TIKHONOV, Nikolay Vasil'yevich, kand.tekhn.nauk; MURZIN, V.A., dotsent,  
retsenzent; SOROKIN, A.V., retsenzent; SHEMAKHANOV, M.M., otv.  
red.; ZVORYKINA, L.N., red.izd-va; SHKLYAR, S.Ya., tekhn.red.

[Mining machinery] Gornaisia mekhanika. Moskva, Gos.nauchno-tekhn.  
izd-vo lit-ry po gornomu delu, 1960. 334 p. (MIRA 13:7)

1. Dnepropetrovskiy gornyj institut im. Artema (for Murzin).
2. Irkutskiy politekhnicheskiy institut (for Sorokin).  
(Mining machinery)

TIKHONOV, N.V.

Selection of the technical means for the mechanization of  
rock collecting in a geological prospecting gallery. Izv.  
vys. ucheb. zav.; geol. i razv. 6 no.5:149-152 My '65.

(MIRA 18:10)

1. Moskovskiy geologorazvedochnyy institut imeni Ordzhonikidze.

SPIVAKOVSKIY, A.O., prof.; TIKHONOV, N.V., dotsent

Review of the book "Power loaders of loose and lump materials." Mekh. i  
avtom. proizv. 17 no.10:57 O '63.  
(MIRA 17:1)

KULICHIKHIN, N.I.; TIKHONOV, N.V.

Over-all mechanization of driving horizontal prospecting workings.  
Razved. i okh. medr 29 no.7:38-43 Jl '63. (MIRA 16:9)

1. Moskovskiy geologorazvedochnyy institut  
(Prospecting—Equipment and supplies)

KULICHIKHIN, N.V.; TIKHONOV, N.V.

Mechanization of rock handling in driving narrow prospecting crosscuts. Razved, 1 okh. nedr 26 no.4:30-34 Ap '60. (MIRA 15:7)

1. Moskovskiy geologorazvedochnyy institut.  
(Mine haulage—Equipment and supplies)

TIKHONOV, N.V.

Scrapers for digging prospecting trenches. Razved. i okh. nedr  
28 no.8:29-32 Ag '62. (MIRA 15:8)

1. Moskovskiy geologo-razvedochnyy institut imeni Sergo  
Ordzhonikidze.  
(Scrapers)

KAL'NITSKIY, Yakov Borisovich, kand. tekhn. nauk; BOGORATS, Mikhail Iosifovich, inzh.; TIKHONOV, N.V., stv. red.; SILINA, L.A., red.izd-va; OVSYENKO, V.G., tekhn. red.

[Scraper units for mining operations] Skrepernye ustavki dlia podzemnykh rabot. Moskva, Gosgortekhizdat, 1962. 182 p.  
(MIRA 15:12)

(Mining machinery)

KULICHIKHIN, N. I.; TIKHONOV, N. V.

Using loading machinery in test drilling operations. Razved. i okh.  
nedr 26 no.12:23-27 D '60. (MIRA 13:12)

1. Moskovskiy geologorazvedochnyy institut.  
(Boring-Equipment and supplies)

TIKHOHOB, N.V.; SMIRNOV, Yu.T.

Increasing the efficiency of PML-5 loading machines. Trudy  
MGRI 34:40-46 '59. (MIRA 13:12)  
(Mining machinery)

TIKHONOV, Nikolay Vasil'yevich; KOLOMIYTSEV, A.D., red.izd-va;  
....., red.

[Conveyer transportation in underground and open pit mines]  
Konveiernyi transport na rudnikakh i kar'erasakh. Moskva, Gos.  
nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960. 211 p.  
(MIRA 14:4)

(Conveying machinery) (Mine haulage)

TIKHONOV, N.V.: RYZHOV, L.K.

Possibilities for expanding supply bases of the construction industry in Eastern Siberia. Stroi. mat. 6 no.3:16-18 Mr '60.  
(MIRA13:6)

1. Nachal'nik Upravleniya promyshlennosti stroitel'nykh materialov irkutskogo sovnarkhoza (for Tikhonov). 2. Nachal'-nik proizvodstvenno-tehnicheskogo otdela Upravleniya promyshlennosti stroitel'nykh materialov Irkutskogo sovnarkhoza (for Ryzhov).  
(Siberia, Eastern--Building materials industry)

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755620006-9

TIKHONOV, N.V., doktor tekhn. nauk

Calculation of mine scrapers. Gor. zhur. no. 7:43-44. 51 1964.

1. Moskovskiy gosudarstvennyy institut. (Mir 17:10)

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755620006-9"

VASIL'YEV, D.S., nauchnyy sotrudnik; TIKHONOV, O.I.

Ambrosia artemisiaefolia and its control in the Kuban. Zashch.  
rast. ot vred. i bol. 4 no. 2:43-45 Mr-Ap '59.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut maslichnykh i  
efiromaslichnykh kul'tur (for Vasil'yev). 2. Nachal'nik Krasnodarskoy  
karantinnoy inspeksii (for Tikhonov).  
(Kuban-Ragweed) (MIRA 16:5)  
(Kuban-Weed control)

SUSLOV, V.M.; TIKHONOV, O.I.

Contribution of scientists. Zashch. rast. ot vred. i bol. g  
no.4:7-9 Ap '63. (MIRA 16:10)

1. Direktor Vsesoyuznogo nauchno-issledovatel'skogo instituta maslichnykh i efiromaslichnykh kul'tur (for Suslov).
2. Zaveduyushchiy otdelom zashchity rasteniy Vsesoyuznogo nauchno-issledovatel'skogo instituta maslichnykh i efiromaslichnykh kul'tur (for Tikhonov).

(Plants, Protection of)

PUSTOVOYT, V.S., akademik, red.; SUSLOV, V.M., kand. ekon. nauk, otv. red.; ALEKSEYEVA, Ye.I., , kand. sel'khoz. nauk, red.; BUZINOV, P.A., red.; VASIL'YEV, D.S., kand. sel'khoz. nauk, red.; VOSKRESENSKAYA, G.S., red.; GUNDAYEV, A.I., red.; IGNAT'YEV, B.K., kand. sel'khoz. nauk, red.; MAKSIMOVA, A.Ya., red.; MOSKALENKO, V.I., red.; PANCHENKO, A.Ya., red.; TIKHONOV, O.I., red.; SHPOTA, V.I., kand. sel'khoz. nauk, red.; MONOVA, Ye.S., red.; LAPSHINA, O.V., red.

[Oilseed and aromatic crops; transactions for 1912-1926]  
Maslichnye i efiromaslichnye kul'tury; trudy za 1912-1962 gg. Pod obshchey red. V.S.Pustovoita. Moskva, Sel'-khozizdat, 1963. 575 p. (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut maslichnykh i efiromaslichnykh kul'tur. 2. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Pustovoyt). 3. Direktor-Vsesoyuznogo nauchno-issledovatel'skogo instituta maslichnykh i efiromaslichnykh kul'tur(for Suslov).

TIKHONOV, O.N.

Self-adjusting system for the control of closed-circuit grinding  
machines. Obog. rud 6 no.3:44-49 '61. (MIRA 14:11)  
(Crushing machinery) (Automatic control)

TIKHONOV, O.I.

Dynamic properties of a closed-cycle grinding machine. TSvet.  
met. 36 no.4:14-22 Ap '63. (MIRA 16:4)

(Crushing machinery)

L. S. Tikhonov SWP(A), SHT(A), L-PI(A), S-PI(A), S-PI(A), S-PI(A)

ACCESSION NR: AFS005494

REF ID: A6600111 ALTB 476

SOURCE: Ref. zu: Avtomatika, telemekhanika i vychislitel'naya tekhnika, 1964, No. 1, 1964.

AUTHOR: Tikhonov, O. N.

TITLE: Automatic control of ore concentrators by the principle of maximum conditions

CITED SOURCE: Obogashcheniye rud, no. 3(51), 1964, 28-31

TOPIC TAGS: ore concentration, automatic ore concentrator

TRANSLATION: An automatic control system is suggested in which the plant — a concentrator or classifier ("separator") — serves as a kind of analyzer of the product quality. The principle of operation stems from the fact that, up to a critical point of the process characteristic of the "separator" (screen, jigger, wet comminution, etc.), the principal performance index (efficiency, accuracy of separation, product output, etc.) in the Sievert and other production varies but slightly; however, beyond a certain critical point, the index falls abruptly. The controller is searching, by the step method, for a maximum productivity.

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L 62595-65  
ACCESSION NR: AR5005494

corresponding to its critical value. Before each control step, a value of the principal-for-a-given-separator parameter is measured. By comparing the readings taken during two preceding steps, the system logical unit chooses the direction of the next step according to a definite algorithm; it increases or decreases the feed-backivity in such a way that the operation point on the characteristic curve is close to the critical point (maximum). A timer, a circuit represented of the logical unit which consists of three units: a timer, an automatic compensator, a logical element, and a comparison unit. It is used to determine the critical is as follows as a material for discussion. For illustration, Bibliography:

4 titles.

SUB CCODE: DP, TS

ENCL: DO

A/P  
Card 2/2

L 44772-65  
ACCUSSION NR: AP5011742

UR/0146/65/008/002/0113/0117

AUTHOR: Levidov, V. A.; Tikhonov, O. N.

TITLE: The upper limit of error in the discrete measurement of velocities and accelerations

SOURCE: IVUZ. Priborostroyeniye, v. 8, no. 2, 1965, 113-117

TOPIC TAGS: automatic measurement, <sup>qM</sup> telemechanics, test instrument reliability, velocity measurement, acceleration measurement

ABSTRACT: In the measurement of near-zero velocities, discrete methods are normally employed. Such methods may also be used to measure near-zero accelerations as well as quantities proportional to higher order derivatives. In the present article, the authors propose a formula for the estimation of the upper limit of error in the discrete measurement of velocities, accelerations, etc. In the method outlined in this paper, the fundamental factors which exert an influence on the error magnitude are considered in terms of their reciprocal interrelation. This approach makes it possible to find an optimal interval of discreteness for which the upper error limit will be minimal. Examples are given illustrating the

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ACCESSION NR: AP5011742

method of estimating upper limits of error in the discrete determination of velocity, acceleration and a value proportional to an n-th order derivative. The mathematical apparatus of the authors' method involves the use of a Taylor series. It is shown in the article that the estimation of the upper error limit of a level-discrete differentiation is carried out in a fashion similar to that used in the case of time-discrete differentiation considered specifically in this presentation. Errors in time- and level-discrete velocity measurement, for example, are of an identical order of magnitude. Orig. art. has: 21 formulas and 2 figures.

ASSOCIATION: Leningradskiy gornyy institut (Leningrad Mining Institute)

SUBMITTED: 30May64

ENCL: 00

SUB CODE: IE, EC

NO REF Sov: 002

OTHER: 000

Card 212 7mB

TIKHONOV, P.

Moving-Picture Projection

What interferes with our work. Kinomekhanik, no. 8, 1952.

NOVEMBER 1952

9. Monthly List of Russian Accessions, Library of Congress, \_\_\_\_\_, Uncl.

TIKHONOV, P.

Standard inventories are increased. Sov. torg. 34 no. 1:23-  
24 Ja '61. (MIRA 14:1)  
(Retail trade)

BORISOVICH, Yu.F.; VARDOSANIDZE, D.G.; TIKHONOV, P.; LOVNETSKAYA, YE.K.;  
MORALEV, M.T.

Throughout the Soviet Union. Veterinariia 36 no.7:92-94  
J1 '59. (MIRA 12:10)  
(Veterinary medicine)

TIKHONOV, P.

Moving-Picture Theaters

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JUNE 1952

9. Monthly List of Russian Accessions, Library of Congress, \_\_\_\_\_ D~~53~~, Uncl.

SKOPITS, Z.A. (Yaroslavl'); OSTROVSKIY, A.I. (Moskva); BESEIN, L.N. (Mos'cva);  
BALK, M.B. (Svobod'sk); BORSUK, H.V. (L'vov); BYKOV, A.M. (Baku);  
CHANTURIYA, Z.A. (Tbilisi); NOVIKOVA, V.S. (Orekhovo-Zuyev); DUBNOV,  
Ya. S. (Moskva); STEPCHIKOV, S.B. (Moskva); KHAVIN, L.P. (Leningrad);  
ERDMIYEV, P., (Stavropol'); CHIAREULI, D.L. (GruzSSR); ASKARITOV, U.U.  
(Yaroslavl'); GOLUBOV, V.A. (Kuvshinovo); MALLIN, V.V. (Leningrad);  
DAVYDOV, U. (Gor'k'); ROZEMBERG, V.I. (Leningrad); TIKHONOV, P.G.  
(Kazan); ROMANCHUK, N.A. (Khar'kov); MINLOS, R.A. (Moskva); OGAY,  
S.V. (Frunze); ROTENBERG, F.S.; BERSHTEYN, A. (Mos'cva); ARLIZAROV,  
V.L. (Moskva)

Solutions to problems. Mat.pros. no.4:253-270 '59.

(MIRA 12:11)

(Mathematics--Problems, exercises, etc.)

MUROMSKIY, L.N.; TIKHONOV, P.I.

Arrangement of single channel ports on 90-ton open-hearth furnaces.  
Metallurg 9 no.3:18-23 Mr '64. (MIRA 17:3)

TIKHONOV, P.I.

Veterinarian and deputy of the Supreme Soviet of the U.S.S.R.  
Veterinaria 36 no.2:13-17 F '59. (MIRA 12:2)  
(Shadrina, Liudmila Vladimirovna)

BELOUSOV, Aleksandr Vasil'yevich; TIKHONOV, P.I., retsenzent;  
YAKOVLEVA, V.I., red.; SKOTNIKOVA, N.N., tekhn.red.

[Organization of technical control] Organizatsiya tekhnicheskogo kontrolya. 3., perer. izd. Moskva, Oborongiz, 1963. 297 p. (MIRA 17:2)

USSR / Cultivated Plants. Cereal Crops.

M-3

Abs Jour : Ref Zhur - Biolgiya, No 13, 1958, No. 58534

Author : Tikhonov, P. M.

Inst : Kazan Agricultural Institute

Title : The Increase in the Productive Capacity of Seeds of  
Summer Wheat in the Early April Sowing

Orig Pub : Tr. Kazansk s.-kh. in-ta, 1956, vyp 35, 15-29

Abstract : The plant developed better, sprouts appeared earlier,  
ears were also formed earlier and a sharp increase in  
yielding capacity was observed as a result of sowing  
Lyutesens 62 and Gordeiforme 496 wheat varieties in  
early April. These experiments were conducted at the  
training farm of the institute and in the kolkhoz of the  
Tartar SSR in 1950-1952. More grain was noticed on the  
ears and the grains were larger. Sowing with seeds,  
obtained from early fall and April sowing, produced an

Card 1/2

USSR / Cultivated Plants. Cereal Crops.

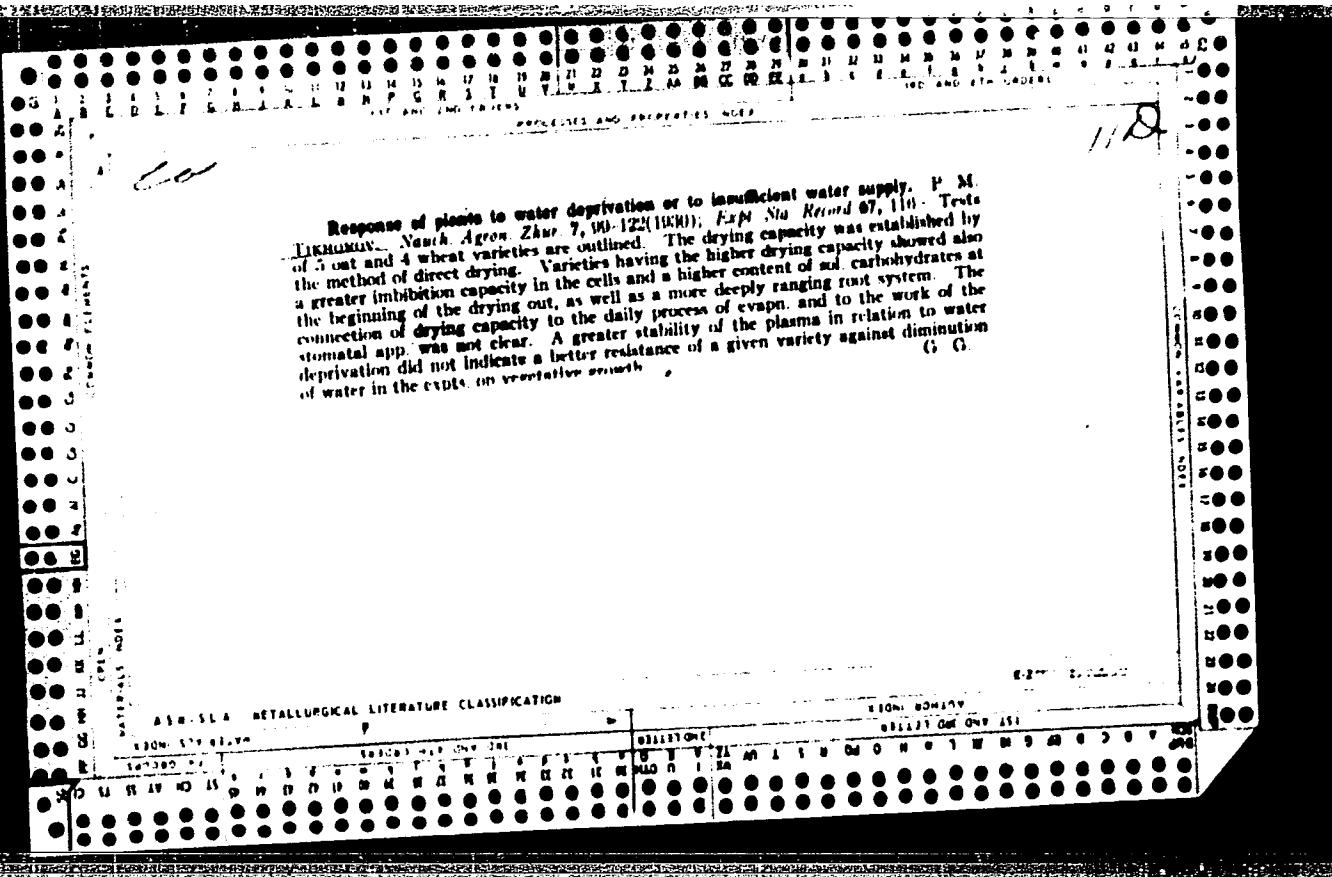
M-3

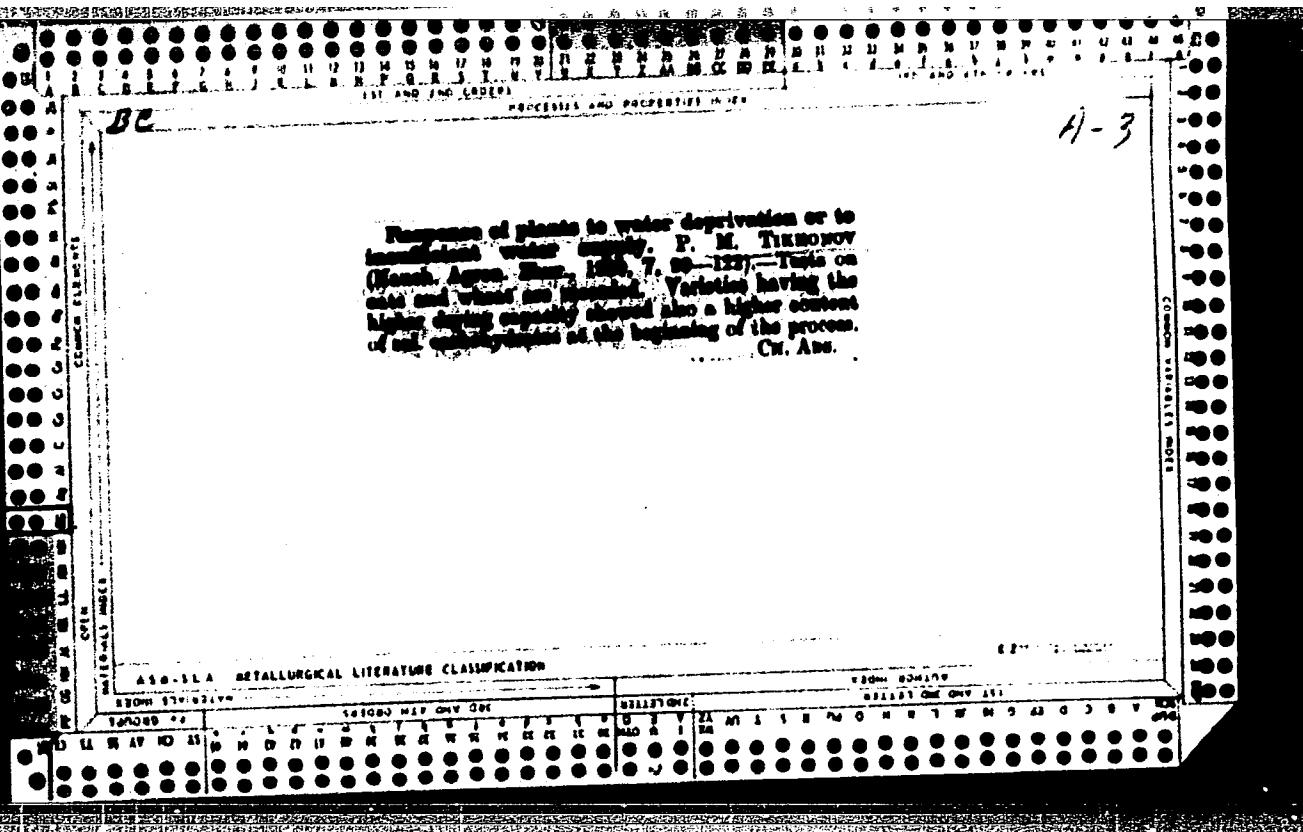
Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58534

increment of yield of 1-2.5 cwt/ha during the first year.  
However, the difference in absolute weight of the grain  
leveled off in comparison with seeds obtained at the  
usual sowing time. -- I. N. Zaikin

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